

ATTACHMENT 4. BUDGET

Attachments to this Section:

Budget Detail and Tables 6 and 7

The Sonoma County Water Agency submitted AB 1420 compliance tables and supporting documentation to DWR for the Proposition 84 Round 1 Implementation Grant. DWR responded in a letter dated January 27, 2011 that the Sonoma County Water Agency has and is currently implementing the BMPs consistent with AB 1420 and, therefore, is eligible to receive water management grant or loan funds. Copies of these documents are attached for reference.

Supplemental Details Required for : Row (a) Direct Project Administration Costs

Note: Limit administrative costs proposed to be reimbursed by the grant to less than 5% of the total Proposal costs.

- 1) List hourly wage paid by discipline, and number of hours to be expended for administration. These should include all costs for the grant recipient and any agencies or organizations. **Provide back-up data (i.e. Invoices)**.

Discipline	Hourly Wage (\$/hr)	Number of Hours	Total
Principal Engineer	\$185.00	200	\$37,000.00
Water Agency Engineer	\$132.00	460	\$60,720.00
Sr Env. Specialist	\$118.00	326	\$38,468.00
Water Agency Coordinator	\$171.00	260	\$44,460.00
Total			\$180,648.00

Note: Water Agency procures a Labor Compliance Consultant with a state-approved program to implement all aspects of labor compliance including prevailing wages. See Row (F) for costs.

- 2) List costs for equipment or supplies. These should include all costs for the grant recipient and any agencies or organizations. **Provide back-up data (i.e. Invoices)**.

Equipment/Supplies	Cost (\$)
Total	\$0.00

- 3) Total cost for both administration and equipment/supplies:

Total Cost	\$180,648.00
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IF administration costs are shown to be as a percentage of costs, list both:

- 1) Total on which project administration is based (i.e. total project costs, total construction costs, ect.):

Percentage:	2%
Percentage Based on:	Total Project Cost

- 2) Discuss below how the percentage was determined (i.e. flat rate, based on prior experiencts, ect.)

Based on prior experience.

Other Funding Sources

See Sheet Row (d) Construction/Implementation for Additional Backup Documentation for Leveraged and Match Funds

Proposition 84 Implementation Round 1 Funds and Sonoma County Water Agency Match to those funds are leveraged funds and are not counted toward the match.

(a)		
(i)	Leveraged Proposition 84 Funds	Total Cost \$ 45,450
(ii)	Leveraged Sonoma County Water Agency Match Funds	Total Cost \$ -

Caltrans Environmental Enhancement and Mitigation Funds and Sonoma County Water Agency Match to those funds are leveraged funds and are not counted toward the match.

(b)		
(i)	Leveraged Caltrans Funds	Total Cost \$ 36,720
(ii)	Leveraged Sonoma County Water Agency Match Funds	Total Cost \$ -

Federal Transportation Enhancement Match Funds

(c)		
(i)	US DOT FHA	Total Cost \$ -
(ii)	City of Rohnert Park Match Funds	Total Cost \$ -

Sonoma County Agricultural Preservation and Open Space District (SCAPOSD) Match Funds

(d)		
(i)	SCAPOSD	Total Cost \$ -
(ii)	City of Rohnert Park Match Funds	Total Cost \$ -
(iii)	Sonoma State University	Total Cost \$ -

Proposition 1E Funding

(e)		
(f)	Project Team Match Funds - Habitat Restoration	Total Cost \$ 82,928
	Project Team Match Funds - Final Design & Construct SWFM	Total Cost \$ 97,720

Project Title: Copeland Creek Enhancement and Restoration Project: Detention and Recharge Basins - Sonoma County Water Agency and Team Partners
Supplemental Details Required for : Row (b) Land Purchase Easement (If Applicable)

1) Is the total cost in Row (b) for the purchase of land or an easement to use the land?

Sonoma County Water Agency (Applicant) has access easement to Copeland Creek. Title to the 53 acre parcel is to be conveyed to the City of Rohnert Park (project partner) under the terms of an existing agreement with private partner UD LLC. UD LLC is also the property owner of 75 acres of land for which it will grant an easement for public access trails.

2) If land purchase will be included in the funding match, is it a proposed acquisition or is the land already owned by the applicant or partner agency/organization?

Sonoma County Water Agency (Applicant) has access easement to Copeland Creek. Title to the 53 acre parcel is to be conveyed to the City of Rohnert Park (project partner) under the terms of an existing agreement with private partner UD LLC. UD LLC is also the property owner of 75 acres of land for which it will grant an easement for public access trails.

3) If land is already owned by applicant or partner agency/organization, when was the land purchased?

Copeland Creek access easement aquired in 1960's; Title to the 53 acre parcel is to be conveyed to the City of Rohnert Park (project partner) under the terms of an existing agreement with private partner UD LLC.

4) What was the Purchase Price?

\$2,570,000.00

Land Value	Acres	Value per Acre	Total
Anderson Property	53	\$20,000	\$1,060,000
Anderson Property	75	\$20,000	\$1,500,000
Other Costs:	Each	Per Unit	
Legal, Escrow, Title	2	\$5,000	\$10,000
Total			\$2,570,000

Other Funding Sources

See Sheet Row (d) Construction/Implementation for Additional Backup Documentation for Leveraged and Match Funds

Proposition 84 Implementation Round 1 Funds and Sonoma County Water Agency Match to those funds are leveraged funds and are not counted toward the match.

(a)		
(i)	Leveraged Proposition 84 Funds	Total Cost \$ -
(ii)	Leveraged Sonoma County Water Agency Match Funds	Total Cost \$ -

Caltrans Environmental Enhancement and Mitigation Funds and Sonoma County Water Agency Match to those funds are leveraged funds and are not counted toward the match.

(i)	Leveraged Caltrans Funds	Total Cost \$ -
(ii)	Leveraged Sonoma County Water Agency Match Funds	Total Cost \$ -
(c)	Federal Transportation Enhancement Match Funds	
(i)	US DOT FHA	Total Cost \$ -
(ii)	City of Rohnert Park Match Funds	Total Cost \$ -

Sonoma County Agricultural Preservation and Open Space District (SCAPOS D) Match Funds

(i)	SCAPOS D	Total Cost \$ -
(ii)	City of Rohnert Park Match Funds	Total Cost \$ 11,938
(iii)	Sonoma State University	Total Cost \$ 1,837

Proposition 1E Funding

(f)	Project Team Match Funds - Habitat Restoration	Total Cost \$ -
	Project Team Match Funds - Final Design & Construct SWFM Basins	Total Cost \$ -

Supplemental Details Required for : Row (c) Planning/Design/Engineering/Environmental Documentation

1) List hourly wage paid by discipline, number of hours, and total cost for the particular item (i.e. 60% design, final design, engineering field investigations, preparation of CEQA documentation etc.)

Stage (i.e planning, Design*, etc.)	Discipline	Hourly Wage (\$/hr)	Number of Hours	Total	
90% Design	Principal Engineer	\$185	40	\$7,400	
	Civil/Electrical Engineer	\$132	80	\$10,560	
	Drafting	\$106	80	\$8,480	
	Technical Writing	\$114	80	\$9,120	
	Consultant - Principal Engineer	\$310	40	\$12,400	
	Consultant - Project Manager	\$267	140	\$37,380	
	Consultant - Engineer	\$175	200	\$35,000	
	Consultant-Geotechnical Engineer	\$150	60	\$9,000	\$129,340
90% CEQA Documentation and Permitting - Complete Amended EIR	Civil/Electrical Engineer	\$132	24	\$3,168	
	Principal Environmental Specialist	\$132	40	\$5,280	
	Senior Environmental Specialist	\$106	60	\$6,360	
	Environmental Specialist	\$114	100	\$11,400	
	Consultant - Senior Env Speicalist	\$300	120	\$36,000	
	Consultant - Env Speicalist	\$150	200	\$30,000	\$92,208
Permitting/CEQA for habitat restoration	Principal Environmental Specialist	\$146	40	\$5,840	
	Senior Environmental Specialist	\$118	82	\$9,676	
	Environmental Specialist	\$105	180	\$18,898	\$34,414
ROW	Land Surveyor	\$134	40	\$5,360	
	County Counsel	\$175	100	\$17,500	
	Right-of-Way Agent	\$118	180	\$21,240	\$44,100
Total				\$300,062	\$300,062

2) IF contingency values are used in estimate, provide an explanation for the rationale used to determine the contingency percentage:

Percentage	Explanation
90% (pre-final) Design	The 90% design is the final, un-stamped, submittal. Complete plans and specifications are prepared, and a detailed itemized cost estimate is included.
100% (final) Design	The 100% design is the design package that will be advertised for project award for construction/implementation of project. The package consists of the complete, signed, and "As-Advertised" plans and specifications.

Other Funding Sources

See Sheet Row (d) Construction/Implementation for Additional Backup Documentation for Leveraged and Match Funds Proposition 84 Implementation Round 1 Funds and Sonoma County Water Agency Match to those funds are leveraged funds and are not counted toward the match.

(a)		
(i)	Leveraged Proposition 84 Funds	Total Cost \$ 708,292
(ii)	Leveraged Sonoma County Water Agency Match Funds	Total Cost \$ 100,080
	Caltrans Environmental Enhancement and Mitigation Funds and Sonoma County Water Agency Match to those funds are leveraged funds and are not counted toward the match.	
(b)		
(i)	Leveraged Caltrans Funds	Total Cost \$ -
(ii)	Leveraged Sonoma County Water Agency Match Funds	Total Cost \$ -
(c)	Federal Transportation Enhancement Match Funds	
(i)	US DOT FHA	Total Cost \$ 69,580
(ii)	City of Rohnert Park Match Funds	Total Cost \$ 81,000
(d)	Sonoma County Agricultural Preservation and Open Space District (SCAPOS) Match Funds	
(i)	SCAPOS	Total Cost \$ 151,130
(ii)	City of Rohnert Park Match Funds	Total Cost \$ -
(iii)	Sonoma State University	Total Cost \$ -
(e)	Proposition 1E Funding	
(f)	Project Team Match Funds - Habitat Restoration	Total Cost \$ -
	Project Team Match Funds - Final Design & Construct SWFM Basins	Total Cost \$ 300,062

Supplemental Details Required for : Row (d) Construction/Implementation

Note: Do not show any construction/implementation contingency costs in this category.

1) List the construction costs below. Construction cost estimate* should include quantity of materials used, unit costs, number of units, and, if possible, the separate costs for materials, equipment, and labor.

Materials			
Materials Used	Unit Costs (\$)	Number of Units	Total (\$)
Native Plants	\$4.50	2700	\$12,150
Planting Hardware	\$3.00	2700	\$8,100
Poison Oak Suite	\$10.00	40	\$400
Total			\$20,650

Equipment			
Equipment Used	Costs (\$)	Number of Units	Total (\$)
Chipper	\$300.00	8	\$2,400
Dump Trucks (2)	\$175.00	4	\$700
Chain Saws	\$8.00	38	\$300
Total			\$3,400

Labor			
Discipline	Hourly Wage by discipline (\$)	Number of hours	Total (\$)
Landscape Labor Crew (10)	\$24.15	6720	\$162,288
Supervisor (1)	\$46.00	672	\$30,912
Lead Maintenance Worker	\$107.00	80	\$8,560
Total			\$201,760

2) Does the project have any implementation costs (Yes/No)?

Yes

2a) If yes, provide details to support the implementation costs included in Row (d)

Invasive Plants Disposal Fees - \$100/dump truck load x 20 loads = \$2,000

Costs \$2,000

Proposition 1E Funds: Construct three stormwater detention basins (see cost estimate below).

Costs \$5,322,500

3) Total Cost \$5,550,310

Other Funding Sources

See Below for Additional Backup Documentation for Leveraged and Match Funds

(a)	Proposition 84 Implementation Round 1 Funds and Sonoma County Water Agency Match to those funds are leveraged funds and are not counted toward the match.	
(i)	Leveraged Proposition 84 Funds	Total Cost \$246,258
(ii)	Leveraged Sonoma County Water Agency Match Funds	Total Cost \$149,920
(b)	Caltrans Environmental Enhancement and Mitigation Funds and Sonoma County Water Agency Match to those funds are leveraged funds and are not counted toward the match.	
(i)	Leveraged Caltrans Funds	Total Cost \$308,860
(ii)	Leveraged Sonoma County Water Agency Match Funds	Total Cost \$100,080
(c)	Federal Transportation Enhancement Match Funds	
(i)	US DOT FHA	Total Cost \$545,541
(ii)	City of Rohnert Park Match Funds	Total Cost \$ -
(d)	Sonoma County Agricultural Preservation and Open Space District (SCAPOSD) Match Funds	
(i)	SCAPOSD	Total Cost \$490,600
(ii)	City of Rohnert Park Match Funds	Total Cost \$641,220
(iii)	Sonoma State University	Total Cost \$ -
(e)	Proposition 1E Funding	
(f)	Project Team Match Funds - Habitat Restoration	Total Cost \$227,810
	Project Team Match Funds - Final Design & Construct SWFM Basins	Total Cost \$ -

Stormwater Detention Basins Costs

	North Basin	Quantity	Unit Price	Unit Price	Total
GRADING					
	ROUGH GRADING	150,000	CY	\$ 3.00	\$ 450,000
	STRUCTURAL FILL -BERM CONSTRUCTION	20,000	CY	\$ 3.50	\$ 70,000
	EXPORT	98,000	CY	\$ 10.00	\$ 980,000
BASIN STRUCTURES					
	ENTRANCE WEIR	45	CY	\$ 800.00	\$ 36,000
	EMERGENCY SPILLWAY	2,600	SF	\$ 15.00	\$ 39,000
	CUT -OFF WALLS	700	LF	\$ 75.00	\$ 52,500
OUTLET STRUCTURES					
	33" STORM DRAIN	800	LF	\$ 75.00	\$ 60,000
	STORM DRAIN MANHOLES	3	EA	\$ 5,000.00	\$ 15,000
	INLET STRUCTURE/TRASH RACK	1	EA	\$ 25,000.00	\$ 25,000
	OUTLET STRUCTURE	1	EA	\$ 10,000.00	\$ 10,000
EROSION/SLOPE PROTECTION					
	SEDIMENT POND	27,000	SF	\$ 5.00	\$ 135,000
	LOW FLOW CHANNEL	1,200	LF	\$ 25.00	\$ 30,000
	RIP RAP	2,000	TON	\$ 50.00	\$ 100,000
ROADWORK					
	12" - 12" AB ACCESS ROAD MAINT. ROAD/RAMP	3,000	LF	\$ 20.00	\$ 60,000
LANDSCAPING					
	INTERIOR LANDSCAPING (HYDROSEED)	275,000	SF	\$ 0.05	\$ 13,750
	FENCING	2,000	LF	\$ 18.00	\$ 36,000
SUBTOTAL NORTH BASIN					\$ 2,112,250

Stormwater Detention Basins Costs

South Basin

	Quantity	Unit Price	Unit Price	Total
GRADING				
	ROUGH GRADING	65,000	CY	\$ 3.00 \$ 195,000
	STRUCTURAL FILL -BERM CONSTRUCTION	35,000	CY	\$ 3.50 \$ 122,500
	EXPORT	10,000	CY	\$ 10.00 \$ 100,000
BASIN STRUCTURES				
	ENTRANCE WEIR	45	CY	\$ 800.00 \$ 36,000
	EMERGENCY SPILLWAY	3,500	SF	\$ 15.00 \$ 52,500
	CUT -OFF WALLS	900	LF	\$ 75.00 \$ 67,500
OUTLET STRUCTURES				
	33" STORM DRAIN	450	LF	\$ 75.00 \$ 33,750
	STORM DRAIN MANHOLES	2	EA	\$ 5,000.00 \$ 10,000
	INLET STRUCTURE/TRASH RACK	1	EA	\$ 25,000.00 \$ 25,000
	OUTLET STRUCTURE	1	EA	\$ 10,000.00 \$ 10,000
EROSION/SLOPE PROTECTION				
	SEDIMENT POND	17,000	SF	\$ 5.00 \$ 85,000
	LOW FLOW CHANNEL	800	LF	\$ 25.00 \$ 20,000
	RIP RAP	2,000	TON	\$ 50.00 \$ 100,000
ROADWORK				
	12" - 12" AB ACCESS ROAD MAINT. ROAD/RAMP	3,000	LF	\$ 20.00 \$ 60,000
LANDSCAPING				
	INTERIOR LANDSCAPING (HYDROSEED)	200,000	SF	\$ 0.05 \$ 10,000
	FENCING	2,500	LF	\$ 18.00 \$ 45,000
SUBTOTAL SOUTH BASIN				\$ 972,250

Stormwater Detention Basins Costs

East Basin

	Quantity	Unit Price	Unit Price	Total
GRADING				
	ROUGH GRADING	170,000	CY	\$ 3.00 \$ 510,000
	STRUCTURAL FILL -BERM CONSTRUCTION	20,000	CY	\$ 3.50 \$ 70,000
	EXPORT	100,000	CY	\$ 10.00 \$ 1,000,000
BASIN STRUCTURES				
	ENTRANCE WEIR	50	CY	\$ 800.00 \$ 40,000
	EMERGENCY SPILLWAY	2,700	SF	\$ 15.00 \$ 40,500
	CUT -OFF WALLS	800	LF	\$ 75.00 \$ 60,000
OUTLET STRUCTURES				
	33" STORM DRAIN	800	LF	\$ 75.00 \$ 60,000
	STORM DRAIN MANHOLES	3	EA	\$ 5,000.00 \$ 15,000
	INLET STRUCTURE/TRASH RACK	1	EA	\$ 25,000.00 \$ 25,000
	OUTLET STRUCTURE	1	EA	\$ 10,000.00 \$ 10,000
EROSION/SLOPE PROTECTION				
	SEDIMENT POND	30,000	SF	\$ 5.00 \$ 150,000
	LOW FLOW CHANNEL	1,500	LF	\$ 25.00 \$ 37,500
	RIP RAP	2,000	TON	\$ 50.00 \$ 100,000
ROADWORK				
	12" - 12" AB ACCESS ROAD MAINT. ROAD/RAMP	3,000	LF	\$ 20.00 \$ 60,000
LANDSCAPING				
	INTERIOR LANDSCAPING (HYDROSEED)	300,000	SF	\$ 0.05 \$ 15,000

	FENCING	2,500	LF	\$ 18.00	\$ 45,000
SUBTOTAL EAST BASIN					\$ 2,238,000

TOTAL 3 BASINS \$ 5,322,500

Federal Transportation Enhancement Match Funds

Habitat Enhancement and Restoration Implementation and Regional Trail
Development Linking Open Space Resources and Urban Areas

Conservation Corps North Bay to Assist City of Rohnert Park/Sonoma County Water Agency with Implementation

Soft Costs	Quantity	Unit	Unit Price	Total
Design and NEPA - City of Rohnert Park - City Engineer	600	Hrs	\$ 132	\$79,200.00
NEPA - City of Rohnert Park - Consultant	478	Hrs	\$ 150	\$71,650.50
Soft Costs Subtotal				\$150,850.50
Construction				
Storm Water Pollution Prevention Plan	1	LS	\$15,000	\$15,000.00
Mobilization & project signs	1	LS	\$22,000	\$22,000.00
Clearing and grubbing; removal of non-native species, replanting	1	LS	\$53,600	\$53,600.00
Replace 5' wide concrete sidewalk with asphalt path - Copeland Creek	4806	LF	\$94.66	\$454,941
SUBTOTAL				\$545,541
Contingency				\$54,554
TOTAL CONSTRUCTION				\$600,095
TOTAL PROJECT				\$750,945

**Leveraged Funds: Prop 84 NC IRWMP - Implimentation Round1; Habitat
Restoration - Sedimentation Basins, 30,60,90% Detention Basins
Design/Ceqa Documents**

**Conservation Corps North Bay to Assist Sonoma County Water Agency
with Implementation**

	Grant Request	Cost Share	Total Project
Admin	\$ 45,450	\$ -	\$ 45,450
Design/Env/Permit/R OW	\$ 708,292	\$ -	\$ 708,292
Construction	\$ 246,258	\$ 250,000	\$ 496,258
Inspection	\$ -	\$ -	\$ -
Contingency	\$ -	\$ 83,333	\$ 83,333
Total	\$ 1,000,000	\$ 333,333	\$ 1,333,333

**Leveraged Funds: Caltrans/CA Natural Resources Agency - CA
Environmental Enhancement and Mitigation - Resource Lands; Habitat
Restoration**

**Conservation Corps North Bay to Assist Sonoma County Water Agency
with Implementation**

	Grant Request	Cost Share	Total Project
Admin	\$ 36,720		\$ 36,720
Design			
Construction	\$ 308,860	\$ 100,080	\$ 408,940
Inspection			
Contingency			
Total	\$ 345,580	\$ 100,080	\$ 445,660

**Detail for: Leveraged Funds: Caltrans/CA Natural Resources Agency - CA Environmental Enhancement and Mitigation - Resource Lands; Habitat Restoration
Sonoma County Water Agency - Lead Agency Budget**

**Conservation Corps North Bay to Assist Sonoma County Water
Agency with Implementation**

	Unit Cost	Quantity	Units	Caltrans	Local Match	TOTAL
Senior Environemtnal Sepcialist	\$ 118	100	Hours	\$ 11,800		\$11,800
Water Agency Coordinator	\$ 171	160	Hours	\$ 13,680	\$ 13,680	\$27,360
Lead Maintenance Worker	\$ 64	160	Hours	\$ 10,240		\$10,240
Maintenance Crew (4) w/equipment	\$ 54	1600	Crew-Hours		\$ 86,400	\$86,400
Travel	\$0.50	2000	Miles	\$ 1,000		\$1,000
Estimated Water Agency Labor-Equip Travel Budget				\$ 36,720	\$100,080	\$136,800

CONSULTANT COSTS - CONSERVATION CORPS NORTH BAY

PERSONNEL EXPENSES

	Unit Price	Quantity	Units	Caltrans	Local Match	TOTAL
Labor (10 person crew and 1 supervisor @ \$2,300/day x 84 days)	\$2,300.00		84 Days	\$193,200		\$193,200
Total Personal Services				\$193,200		\$193,200

OPERATING EXPENSES

Disposal Fees:	\$100.00	10 trips		\$1,000		\$1,000
Mileage: (40 miles round-trip x 84 times)	\$0.50	3,360 miles		\$1,680		\$6,500

Consumables:Chains, Blades, Posion Oak Suits, Extra vehicles, Dump Truck,
Chipper

\$45.00

84 Days

\$3,780

\$3,780**Planting Supplies:**

Native Plants (14,560 at \$4.50 average)

\$4.50

14,560 plants

\$65,520

\$65,520

Planting Hardware (14,560 at \$3.00 average)

\$3.00

14,560 hardware

\$43,680

\$43,680**Total Operating Expenses****\$115,660****\$0****\$115,660****TOTAL CONSULTANT BUDGET****\$308,860****\$0****\$308,860****TOTAL BUDGET****\$345,580****\$100,080****\$445,660****Sonoma County Agricultural Preservation and Open Space District Match Funds**

Phases 1, 2, 3

Regional Trail Development Linking Open Space Resources, Sonoma County Crane Creek Regional Park, and Urban Areas

	Estimated Cost	Grant Request
Environmental	\$ 32,000	\$ 32,000
Design/Engineering	\$ 57,690	\$ 57,690
Plan Review/Permits	\$ 61,440	\$ 61,440
Construction	\$ 490,600	\$ 490,600
Construction Management	\$ 69,540	\$ 69,540
Total	\$ 711,270	\$ 711,270

Matching Funds - Conservation Easement	Quantity	Unit	Unit Price	Total
City of Rohnert Park	2.39	acres	\$ 5,000	\$ 11,950
Sonoma State University	0.37	acres	\$ 5,000	\$ 1,850
TOTAL				\$ 13,800

Matching Funds - City of Rohnert Park - Service Road/Trail on Open Sp	Estimated Cost	Match Funds
Environmental - Complete	\$ -	\$ -
Design/Engineering - Complete	\$ -	\$ -
Plan Review/Permits - Complete	\$ -	\$ -
Construction	\$ 641,220	\$ 641,220
Construction Management	\$ 64,122	\$ 64,122
Total	\$ 705,342	\$ 705,342

***For Information Purposes Only - Not included as match funds

	Asset	Average Useful Life (yrs)	Year 1 Cost	Total O&M over Useful Life of Asset (3% increas/yr)
Operation and Maintenance Costs				
City of Rohnert Park	Service Road thru open space	15	\$ 2,000	\$ 35,198
Sonoma County Regional Parks - requires Board approval	Regional Trail	20	\$ 23,406	\$ 605,513
Sonoma State University	Copeland Creek Trail	15	\$ 1,200	\$ 21,119
Sonoma State University	Petaluma Hill Road Trail Crossing	20	\$ 2,500	\$ 64,676
TOTAL				\$ 726,506

Supplemental Details Required for : Row (e) Environmental Compliance/Mitigation/Enhancement

1) Cost estimate of work should be in same format as for Construction/Implementation.

Materials			
Materials Used	Unit Costs (\$)	Number of Units	Total (\$)
Total			\$0.00

Equipment			
Equipment Used	Costs (\$)	Number of Units	Total (\$)
Total			\$0.00

Labor			
Discipline	Hourly Wage by discipline (\$)	Number of hours	Total (\$)
Senior Environmental Specialist	\$ 106	80	\$8,480
Consultant - Senior Env Speicalist	\$ 300	60	\$18,000
Consultant - Env Speicalist	\$ 150	80	\$12,000
Total			\$38,480.00

2)

Total Cost	\$38,480.00
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2) Provide any details to support Environmental Compliance/Mitigation/Enhancement costs shown in Row (e):

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Other Funding Sources

Proposition 84 Implementation Round 1 Funds and Sonoma County Water Agency Match to those funds are leveraged funds and are not counted toward the match.

(a)					
(i)	Leveraged Proposition 84 Funds	<table><tr><td>Total Cost</td><td>\$</td><td>-</td></tr></table>	Total Cost	\$	-
Total Cost	\$	-			
(ii)	Leveraged Sonoma County Water Agency Match Funds	<table><tr><td>Total Cost</td><td>\$</td><td>-</td></tr></table>	Total Cost	\$	-
Total Cost	\$	-			

Caltrans Environmental Enhancement and Mitigation Funds and Sonoma County Water Agency Match to those funds are leveraged funds and are not counted toward the match.

(i)	Leveraged Caltrans Funds	<table><tr><td>Total Cost</td><td>\$</td><td>-</td></tr></table>	Total Cost	\$	-
Total Cost	\$	-			
(ii)	Leveraged Sonoma County Water Agency Match Funds	<table><tr><td>Total Cost</td><td>\$</td><td>-</td></tr></table>	Total Cost	\$	-
Total Cost	\$	-			

Federal Transportation Enhancement Match Funds

(i)	US DOT FHA	<table><tr><td>Total Cost</td><td>\$</td><td>-</td></tr></table>	Total Cost	\$	-
Total Cost	\$	-			
(ii)	City of Rohnert Park Match Funds	<table><tr><td>Total Cost</td><td>\$</td><td>-</td></tr></table>	Total Cost	\$	-
Total Cost	\$	-			

Sonoma County Agricultural Preservation and Open Space District (SCAPOSD) Match Funds

(i)	SCAPOSD	<table><tr><td>Total Cost</td><td>\$</td><td>-</td></tr></table>	Total Cost	\$	-
Total Cost	\$	-			
(ii)	City of Rohnert Park Match Funds	<table><tr><td>Total Cost</td><td>\$</td><td>-</td></tr></table>	Total Cost	\$	-
Total Cost	\$	-			
(iii)	Sonoma State University	<table><tr><td>Total Cost</td><td>\$</td><td>-</td></tr></table>	Total Cost	\$	-
Total Cost	\$	-			

Proposition 1E Funding

(f)	Project Team Match Funds - Habitat Restoration	<table><tr><td>Total Cost</td><td>\$</td><td>-</td></tr></table>	Total Cost	\$	-
Total Cost	\$	-			
	Project Team Match Funds - Final Design & Construct SWFM Basins	<table><tr><td>Total Cost</td><td></td><td>\$38,480</td></tr></table>	Total Cost		\$38,480
Total Cost		\$38,480			

Supplemental Details Required for : Row (f) Construction Administration

If estimate for construction administration in Row (f) will be based on expected hours of effort:

1) List the costs to administer and manage construction of the project:

Note: Water Agency procures a Labor Compliance Consultant with a state-approved program to implement all aspects of labor compliance including prevailing wages.

Discipline	Hours	Unit Cost (\$)	Equipment Costs (\$)	Total Costs (\$)
Water Agency Coordidnator	200	\$ 171		\$34,200
Lead Maintenance Worker	240	\$ 107		\$25,680
Technical Writing Specialist	1,400	\$ 104		\$145,600
Engineering Technician 3 (2)	2,100	\$ 110		\$231,000
Principal Engineer	100	\$ 185		\$18,500
Civil/Electrical Engineer	200	\$ 132		\$26,400
Consultant - Geotechnical	276	\$ 150		\$41,470
Senior Environmental Specialist	80	\$ 106		\$8,480
Consultant Labor Compliance	120	\$ 125		\$15,000
Total				\$546,330

2) Discuss method used to determine cost to adminster and manage construction of project:

Based on prior experience on similar projects.

If percentage of construction costs is used for Row (f):

3) Indicate the percentage used:

NA

4) Discuss below how the percentage was determined (i.e. flat rate, based on prior experiencts, ect.)

NA

Other Funding Sources

See Sheet Row (d) Construction/Implementation for Additional Backup Documentation for Leveraged and Match Funds Proposition 84 Implementation Round 1 Funds and Sonoma County Water Agency Match to those funds are leveraged funds and are not counted toward the match.

(a)

(i) Leveraged Proposition 84 Funds

Total Cost	\$ -
------------	------

(ii) Leveraged Sonoma County Water Agency Match Funds

Total Cost	\$ -
------------	------

Caltrans Environmental Enhancement and Mitigation Funds and Sonoma County Water Agency Match to those funds are leveraged funds and are not counted toward the match.

(b)

(i) Leveraged Caltrans Funds

Total Cost	\$ -
------------	------

(ii) Leveraged Sonoma County Water Agency Match Funds

Total Cost	\$ -
------------	------

(c) Federal Transportation Enhancement Match Funds

(i) US DOT FHA

Total Cost	\$ -
------------	------

(ii) City of Rohnert Park Match Funds

Total Cost	\$ -
------------	------

(d) Sonoma County Agricultural Preservation and Open Space District (SCAPOS) Match Funds

(i) SCAPOS

Total Cost	\$69,540
------------	----------

(ii) City of Rohnert Park Match Funds

Total Cost	\$64,122
------------	----------

(iii) Sonoma State University

Total Cost	\$ -
------------	------

(e) Proposition 1E Funding

(f) Project Team Match Funds - Habitat Restoration

Total Cost	\$68,360
------------	----------

Project Team Match Funds - Final Design & Construct SWFM Basins

Total Cost	\$477,970
------------	-----------

Project Title: Copeland Creek Enhancement and Restoration Project: Detention and Recharge Basins - Sonoma County Water Agency and Team Partners

Supplemental Details Required for : Row (g) Other Costs

1) Other costs include any legal service require to support project, licenses and permits, monitoring and assessment required during construction/initial implementation of project. Provide detailed information and specific costs below.

Note: Do not include any monitoring and assessment costs for efforts required after project construction is complete.

Other Costs - Project Performance Monitoring/Data Management

Tasks included revised monitoring plan, photo documentation and project closeout. All tasks occur before project construction is complete.

Discipline	Hourly Wage (\$/hr)	Number of Hours	Total
Principal Engineer	\$185	30	\$5,550
Civil/Electrical Engineer	\$132	40	\$5,280
Drafting	\$106	40	\$4,240
Technical Writing	\$114	40	\$4,560
Consultant - Principal Engineer	\$310	30	\$9,300
Consultant - Project Manager	\$267	40	\$10,680
Consultant - Engineer	\$175	80	\$14,000
Principal Environmental Specialist	\$132	24	\$3,168
Senior Environmental Specialist	\$106	40	\$4,240
Environmental Specialist	\$114	60	\$6,840
Consultant - Senior Env Speicalist	\$300	60	\$18,000
Consultant - Env Speicalist	\$150	100	\$15,000
Total			\$100,858

Other Funding Sources

Proposition 84 Implementation Round 1 Funds and Sonoma County Water Agency Match to those funds are leveraged funds and are not counted toward the match.

(a)	leveraged funds and are not counted toward the match.			
(i)	Leveraged Proposition 84 Funds	<table><tr><td>Total Cost</td><td>\$ -</td></tr></table>	Total Cost	\$ -
Total Cost	\$ -			
(ii)	Leveraged Sonoma County Water Agency Match Funds	<table><tr><td>Total Cost</td><td>\$ -</td></tr></table>	Total Cost	\$ -
Total Cost	\$ -			

Caltrans Environmental Enhancement and Mitigation Funds and Sonoma County Water Agency Match to those funds are leveraged funds and are not counted toward the match.

(i)	Leveraged Caltrans Funds	<table><tr><td>Total Cost</td><td>\$ -</td></tr></table>	Total Cost	\$ -
Total Cost	\$ -			
(ii)	Leveraged Sonoma County Water Agency Match Funds	<table><tr><td>Total Cost</td><td>\$ -</td></tr></table>	Total Cost	\$ -
Total Cost	\$ -			

Federal Transportation Enhancement Match Funds

(i)	US DOT FHA	<table><tr><td>Total Cost</td><td>\$ -</td></tr></table>	Total Cost	\$ -
Total Cost	\$ -			
(ii)	City of Rohnert Park Match Funds	<table><tr><td>Total Cost</td><td>\$ -</td></tr></table>	Total Cost	\$ -
Total Cost	\$ -			

Sonoma County Agricultural Preservation and Open Space District (SCAPOS) Match Funds

(i)	SCAPOS	<table><tr><td>Total Cost</td><td>\$ -</td></tr></table>	Total Cost	\$ -
Total Cost	\$ -			
(ii)	City of Rohnert Park Match Funds	<table><tr><td>Total Cost</td><td>\$ -</td></tr></table>	Total Cost	\$ -
Total Cost	\$ -			
(iii)	Sonoma State University	<table><tr><td>Total Cost</td><td>\$ -</td></tr></table>	Total Cost	\$ -
Total Cost	\$ -			

Proposition 1E Funding

(f)	Project Team Match Funds - Habitat Restoration	<table><tr><td>Total Cost</td><td>\$25,215</td></tr></table>	Total Cost	\$25,215
Total Cost	\$25,215			
	Project Team Match Funds - Final Design & Construct SWFM Basins	<table><tr><td>Total Cost</td><td>\$25,215</td></tr></table>	Total Cost	\$25,215
Total Cost	\$25,215			

Project Title: Copeland Creek Enhancement and Restoration Project: Detention and Recharge Basins - Sonoma County Water Agency and Team Partners

Supplemental Details Required for : Row (h) Construction/Implementation Contingency

Note: Include only contingency costs for construction/implementation efforts here- all other contingency costs should be included in their appropriate cost category.

1) Specify percentage used for this cost: 10% \$ 5,322,500 \$ 532,250

2) Provide reason for using the percentage used:

Based on prior experience for projects of similar size and at similar point in design.

Other Funding Sources

See Sheet Row (d) Construction/Implementation for Additional Backup Documentation for Leveraged and Match Funds Proposition 84 Implementation Round 1 Funds and Sonoma County Water Agency Match to those funds are leveraged funds and are not counted toward the match.

(a)	and are not counted toward the match.			
(i)	Leveraged Proposition 84 Funds	<table><tr><td>Total Cost</td><td>\$ -</td></tr></table>	Total Cost	\$ -
Total Cost	\$ -			
(ii)	Leveraged Sonoma County Water Agency Match Funds	<table><tr><td>Total Cost</td><td>\$83,333</td></tr></table>	Total Cost	\$83,333
Total Cost	\$83,333			
	Caltrans Environmental Enhancement and Mitigation Funds and Sonoma County Water Agency Match to those funds are leveraged funds and are not counted toward the match.			
(i)	Leveraged Caltrans Funds	<table><tr><td>Total Cost</td><td>\$ -</td></tr></table>	Total Cost	\$ -
Total Cost	\$ -			
(ii)	Leveraged Sonoma County Water Agency Match Funds	<table><tr><td>Total Cost</td><td>\$ -</td></tr></table>	Total Cost	\$ -
Total Cost	\$ -			
(c)	Federal Transportation Enhancement Match Funds			
(i)	US DOT FHA	<table><tr><td>Total Cost</td><td>\$54,554</td></tr></table>	Total Cost	\$54,554
Total Cost	\$54,554			
(ii)	City of Rohnert Park Match Funds	<table><tr><td>Total Cost</td><td>\$ -</td></tr></table>	Total Cost	\$ -
Total Cost	\$ -			
(d)	Sonoma County Agricultural Preservation and Open Space District (SCAPOS) Match Funds			
(i)	SCAPOS	<table><tr><td>Total Cost</td><td>\$ -</td></tr></table>	Total Cost	\$ -
Total Cost	\$ -			
(ii)	City of Rohnert Park Match Funds	<table><tr><td>Total Cost</td><td>\$ -</td></tr></table>	Total Cost	\$ -
Total Cost	\$ -			
(iii)	Sonoma State University	<table><tr><td>Total Cost</td><td>\$ -</td></tr></table>	Total Cost	\$ -
Total Cost	\$ -			
(e)	Proposition 1E Funding			
(f)	Project Team Match Funds - Habitat Restoration	<table><tr><td>Total Cost</td><td>\$ -</td></tr></table>	Total Cost	\$ -
Total Cost	\$ -			
	Project Team Match Funds - Final Design & Construct SWFM Basins	<table><tr><td>Total Cost</td><td>\$ -</td></tr></table>	Total Cost	\$ -
Total Cost	\$ -			

Project Title: Copeland Creek Enhancement and Restoration Project: Detention and Recharge Basins - Sonoma County Water Agency and Team Partners

Table 6 - Total Project Budget - All Project Elements							
	Budget Category	(a)	(b)	(c)	(d)	(e)	(f)
		Non-State Share* (Funding Match)	Requested Grant Funding	Total <i>This field will fill automatically</i>	% Funding Match <i>This field will fill automatically</i>	Other Leveraged State Funds Being Used	Total Project Cost including Other Leveraged State Funding
(a)	Direct Project Administration Costs	\$180,648		\$180,648	2%	\$82,170	\$262,818
(b)	Land Purchase/Easement	\$2,583,775		\$2,583,775	22%	\$0	\$2,583,775
(c)	Planning/Design/Engineering/ Environmental Documentation	\$506,951	\$94,821	\$601,772	4%	\$808,372	\$1,410,144
(d)	Construction/Implementation	\$1,905,171	\$5,322,500	\$7,227,671	16%	\$805,118	\$8,032,789
(e)	Environmental Compliance/ Mitigation/Enhancement	\$38,480		\$38,480	0%	\$0	\$38,480
(f)	Construction Administration	\$679,992		\$679,992	6%	\$0	\$679,992
(g)	Other Costs - Project Performance Monitoring/Data Management	\$50,429	\$50,429	\$100,858	0%	\$0	\$100,858
(h)	Construction/Implementation Contingency	\$54,554	\$532,250	\$586,804	0%	\$83,333	\$670,137
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$6,000,000	\$6,000,000	\$12,000,000	50%	\$1,778,993	\$13,778,993

***List sources of funding:** *Use as much space as required.*

Other Funding Sources

See Sheet Row (d) Construction/Implementation for Additional Backup Documentation for Leveraged and Match Funds

(a)	Proposition 84 Implementation Round 1 Funds and Sonoma County Water Agency Match to those funds are leveraged funds and are not counted toward the match.						
(i)	Leveraged Proposition 84 Funds	Total Cost	\$1,000,000	Total			
(ii)	Leveraged Sonoma County Water Agency Match Funds	Total Cost	\$333,333	\$1,333,333			
(b)	Caltrans Environmental Enhancement and Mitigation Funds and Sonoma County Water Agency Match to those funds are leveraged funds and are not counted toward						
(i)	Leveraged Caltrans Funds	Total Cost	\$345,580				
(ii)	Leveraged Sonoma County Water Agency Match Funds	Total Cost	\$100,080	\$445,660			\$1,778,993
(c)	Federal Transportation Enhancement Match Funds						
(i)	US DOT FHA	Total Cost	\$669,675				
(ii)	City of Rohnert Park Match Funds	Total Cost	\$81,000	\$750,675			
(d)	Sonoma County Agricultural Preservation and Open Space District (SCAPOSD) Match Funds						
(i)	SCAPOSD	Total Cost	\$711,270				
(ii)	City of Rohnert Park Match Funds	Total Cost	\$717,280				
(iii)	Sonoma State University	Total Cost	\$1,837				
(iv)	Sonoma County Regional Parks	Total Cost	\$ -				
(v)	Sonoma County Public Works and Transportation Department	Total Cost	\$ -	\$1,430,387			
(e)	Proposition 1E Funding						
(f)	Project Team Match Funds - Habitat Restoration	Total Cost	\$404,313				
	Project Team Match Funds - Final Design & Construct SWFM Basins	Total Cost	\$844,625	\$1,248,938			
	Land Value		\$ 2,570,000	\$ 2,570,000			
		Prop 1E Match		\$6,000,000			
		Leveraged Funds		\$1,778,993			

Federal Transportation Enhancement Match Funds

Table 6 - Total Project Budget					
	Budget Category	(a)	(b)	(c)	(d)
		Non-State Share* (Funding Match)	Requested Grant Funding	Total <i>This field will fill automatically</i>	% Funding Match <i>This field will fill automatically</i>
(a)	Direct Project Administration Costs	\$0	\$0	\$0	0%
(b)	Land Purchase/Easement	\$0	\$0	\$0	0%
(c)	Planning/Design/Engineering/ Environmental Documentation	\$81,000	\$69,580	\$150,580	11%
(d)	Construction/Implementation	\$0	\$545,541	\$545,541	0%
(e)	Environmental Compliance/ Mitigation/Enhancement	\$0	\$0	\$0	0%
(f)	Construction Administration	\$0	\$0	\$0	0%
(g)	Other Costs - Project Performance Monitoring/Data Management	\$0	\$0	\$0	0%
(h)	Construction/Implementation Contingency	\$0	\$54,554	\$54,554	0%
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$81,000	\$669,675	\$750,675	11%

Sonoma County Agricultural Preservation and Open Space District (SCAPOS) Match Funds

Table 6 - Total Project Budget					
	Budget Category	(a)	(b)	(c)	(d)
		Non-State Share* (Funding Match)	Requested Grant Funding	Total <i>This field will fill automatically</i>	% Funding Match <i>This field will fill automatically</i>
(a)	Direct Project Administration Costs	\$0	\$0	\$0	0%
(b)	Land Purchase/Easement	\$13,775	\$0	\$13,775	1%
(c)	Planning/Design/Engineering/ Environmental Documentation	\$0	\$151,130	\$151,130	0%
(d)	Construction/Implementation	\$641,220	\$490,600	\$1,131,820	45%
(e)	Environmental Compliance/ Mitigation/Enhancement	\$0	\$0	\$0	0%
(f)	Construction Administration	\$64,122	\$69,540	\$133,662	4%
(g)	Other Costs - Project Performance Monitoring/Data Management	\$0	\$0	\$0	0%
(h)	Construction/Implementation Contingency	\$0	\$0	\$0	0%
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$719,117	\$711,270	\$1,430,387	50%

Proposition 1E Funding

Habitat Restoration

Table 6 - Total Project Budget

	Budget Category	(a)	(b)	(c)	(d)
		Non-State Share* (Funding Match)	Requested Grant Funding	Total <i>This field will fill automatically</i>	% Funding Match <i>This field will fill automatically</i>
(a)	Direct Project Administration Costs	\$82,928	\$0	\$82,928	19%
(b)	Land Purchase/Easement	\$0	\$0	\$0	0%
(c)	Planning/Design/Engineering/ Environmental Documentation	\$0	\$0	\$0	0%
(d)	Construction/Implementation	\$227,810	\$0	\$227,810	53%
(e)	Environmental Compliance/ Mitigation/Enhancement	\$0	\$0	\$0	0%
(f)	Construction Administration	\$68,360	\$0	\$68,360	16%
(g)	Other Costs - Project Performance Monitoring/Data Management	\$25,215	\$25,215	\$50,429	6%
(h)	Construction/Implementation Contingency	\$0	\$0	\$0	0%
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$404,313	\$25,215	\$429,527	94%

Proposition 1E Funding

Detention and Recharge Basins

Table 6 - Total Project Budget

	Budget Category	(a)	(b)	(c)	(d)
		Non-State Share* (Funding Match)	Requested Grant Funding	Total <i>This field will fill automatically</i>	% Funding Match <i>This field will fill automatically</i>
(a)	Direct Project Administration Costs	\$97,720	\$0	\$97,720	1%
(b)	Land Purchase/Easement	\$2,570,000	\$0	\$2,570,000	27%
(c)	Planning/Design/Engineering/ Environmental Documentation	\$205,241	\$94,821	\$300,062	2%
(d)	Construction/Implementation	\$0	\$5,322,500	\$5,322,500	0%
(e)	Environmental Compliance/ Mitigation/Enhancement	\$38,480	\$0	\$38,480	0%
(f)	Construction Administration	\$477,970	\$0	\$477,970	5%
(g)	Other Costs - Project Performance Monitoring/Data Management	\$25,215	\$25,215	\$50,429	0%
(h)	Construction/Implementation Contingency	\$0	\$532,250	\$532,250	0%
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$3,414,625	\$5,974,786	\$9,389,411	36%

Project Title: Copeland Creek Enhancement and Restoration Project: Detention and Recharge Basins - Sonoma County Water Agency and Team Partners

Table 6 A - Burn Rate									
	Budget Category	(a)	(b)	(c)	Burn Rate Based on Schedule				
		Non-State Share* (Funding Match)	Requested Grant Funding	Total This field will fill automatically	2011	2012	2013	2014	2015
(a)	Direct Project Administration Costs	\$180,648		\$180,648	\$24,086	\$48,173	\$48,173	\$48,173	\$12,043
(b)	Land Purchase/Easement	\$2,583,775		\$2,583,775			\$2,571,837	\$11,938	
(c)	Planning/Design/Engineering/ Environmental Documentation	\$506,951	\$94,821	\$601,772	\$150,855	\$150,855	\$300,062		
(d)	Construction/Implementation	\$1,905,171	\$5,322,500	\$7,227,671		\$575,312	\$952,586	\$5,699,773	
(e)	Environmental Compliance/ Mitigation/Enhancement	\$38,480	\$0	\$38,480				\$38,480	
(f)	Construction Administration	\$679,992	\$0	\$679,992		\$54,399	\$88,399	\$537,193	
(g)	Other Costs - Project Performance Monitoring/Data Management	\$50,429	\$50,429	\$100,858				\$80,686	\$20,172
(h)	Construction/Implementation Contingency	\$54,554	\$532,250	\$586,804		\$54,554		\$532,250	
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$6,000,000	\$6,000,000	\$12,000,000	\$174,941	\$883,293	\$3,961,056	\$6,948,494	\$32,215

\$180,648
\$2,583,775
\$601,772
\$7,227,671
\$38,480
\$679,992
\$100,858
\$586,804
\$12,000,000

*List sources of funding: Use as much space as required.

	Other Funding Sources	Months	6	12	12	12	3	45
	See Sheet Row (d) Construction/Implementation for Additional Backup Documentation for Leveraged and Match Funds		13%	27%	27%	27%	7%	
(a)	Proposition 84 Implementation Round 1 Funds and Sonoma County Water Agency Match to those funds are leveraged funds and are not counted toward the							
(i)	Leveraged Proposition 84 Funds	Total Cost	\$1,000,000	Total				
(ii)	Leveraged Sonoma County Water Agency Match Funds	Total Cost	\$333,333	\$1,333,333				
(b)	Caltrans Environmental Enhancement and Mitigation Funds and Sonoma County Water Agency Match to those funds are leveraged funds and are not							
(i)	Leveraged Caltrans Funds	Total Cost	\$345,580					
(ii)	Leveraged Sonoma County Water Agency Match Funds	Total Cost	\$100,080	\$445,660	\$1,778,993			
(c)	Federal Transportation Enhancement Match Funds							
(i)	US DOT FHA	Total Cost	\$669,675					
(ii)	City of Rohnert Park Match Funds	Total Cost	\$81,000	\$750,675				
(d)	Sonoma County Agricultural Preservation and Open Space District (SCAPOS) Match Funds							
(i)	SCAPOS	Total Cost	\$711,270					
(ii)	City of Rohnert Park Match Funds	Total Cost	\$717,280					
(iii)	Sonoma State University	Total Cost	\$1,837					
(iv)	Sonoma County Regional Parks	Total Cost	\$ -					
(v)	Sonoma County Public Works and Transportation Department	Total Cost	\$ -	\$1,430,387				
(e)	Proposition 1E Funding							
(f)	Project Team Match Funds - Habitat Restoration	Total Cost	\$404,313					
	Project Team Match Funds - Final Design & Construct SWFM Basins	Total Cost	\$844,625	\$1,248,938				
	Land Value		\$ 2,570,000	\$ 2,570,000				
		Prop 1E Match		\$6,000,000				
		Leveraged Funds		\$1,778,993				

Project Title: Copeland Creek Enhancement and Restoration Project: Detention and Recharge Basins - Sonoma County Water Agency and Team Partners

Table 7 - Summary Budget							
		(a)	(b)	(c)	(d)	(e)	(f)
	Project Elements	Non-State Share* (Funding Match)	Requested Proposition 1E Grant Funding	Total This field will fill automatically	% Funding Match This field will fill automatically	Other Leveraged State Funds Being Used	Total Project Cost including Other Leveraged State Funding
(a)	Proposition 84 Implementation Round 1Leveraged Funds - Habitat Restoration, Sediment Removal, 90% Design of Detention Basins	\$0	\$0	\$0	0%	\$1,333,333	\$1,333,333
(b)	Caltrans Environmental Enhancement and Mitigation Leveraged Funds Habitat Restoration, Sediment Removal	\$0	\$0	\$0	0%	\$445,660	\$445,660
(c)	Federal Transportation Enhancement Match Funds - Habitat Enhancement and Restoration Implementation and Regional Trail Development Linking Open Space Resources and Urban Areas	\$750,675	\$0	\$750,675	6%		\$750,675
(d)	Sonoma County Agricultural Preservation and Open Space District Match Funds, Sonoma County Regional Parks Match Funds - Regional Trail Development Linking Open Space Resources and Urban Areas	\$1,430,387	\$0	\$1,430,387	12%		\$1,430,387
(e)	Proposition 1E SWFM Habitat Restoration	\$404,313	\$25,215	\$429,527	3%		\$429,527
(f)	Proposition 1E SWFM Final Design and Detention Basin Construction	\$3,414,625	\$5,974,786	\$9,389,411	28%		\$9,389,411
(g)	Grand Total (Sum rows (a) through (h) for each column)	\$6,000,000	\$6,000,000	\$12,000,000	50%	\$1,778,993	\$13,778,993
*List sources of funding:							

Other Funding Sources

See Sheet Row (d) Construction/Implementation for Additional Backup Documentation for Leveraged and Match Funds

(a) **Proposition 84 Implementation Round 1Funds and Sonoma County Water Agency Match to those funds are leveraged funds and are not counted toward the match.**

(i) Leveraged Proposition 84 Funds \$ 1,000,000

(ii) Leveraged Sonoma County Water Agency Match Funds \$ 333,333

(b) **Caltrans Environmental Enhancement and Mitigation Funds and Sonoma County Water Agency Match to those funds are leveraged funds and are not counted toward**

(i) Leveraged Caltrans Funds \$ 345,580

(ii) Leveraged Sonoma County Water Agency Match Funds \$ 100,080

(c) **Federal Transportation Enhancement Match Funds**

(i) US DOT FHA \$ 669,675

(ii) City of Rohnert Park Match Funds \$ 81,000

(d) **Sonoma County Agricultural Preservation and Open Space District (SCAPOS) Match Funds**

(i) SCAPOS \$ 711,270

(ii) City of Rohnert Park Match Funds \$ 717,280

**For Information Purposes - not included in grant or in match
O&M Useful life - after Project Implementation - not included in grant or as match**

(iii) Sonoma State University \$ 1,837 \$ 21,119

(iv) Sonoma County Regional Parks \$ - \$ 605,513

(v) Sonoma County Public Works and Transportation Department \$ - \$ 64,676

\$ 726,506

(e) **Proposition 1E Funding**

(f) Project Team Match Funds - Habitat Restoration \$ 404,313 48%

Project Team Match Funds - Final Design & Construct SWFM Basins \$ 844,625 68%

\$ 1,248,938

Land Value \$ 2,570,000

Note: Because benefits associated with all project elements except the storm water detention basins are either unquantifiable or expected to be small, only costs and benefits associated with the stormwater detention basins have been tabulated.

Tables 10 and 14 – Annual Cost of Flood Damage Reduction Project/Water Supply Project (All costs should be in 2009 Dollars)									
	Initial Costs	Operations and Maintenance Costs							
YEAR	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Total Project Budget (row (i), Total column)	Admin	Operation	Maintenance	Replacement	Other	Total Costs (a) + (b)+...(f)	Discount Factor	Discounted Costs (g) x (h)
2009							\$0	1.000	\$0
2010			Sed/ channel mods	Detention Basins	Veg Replacement		\$0	0.943	\$0
2011		\$ 2,000	\$ 50,000				\$52,000	0.89	\$46,280
2012	\$ 938,941	\$ 2,000	\$ 50,000				\$990,941	0.84	\$832,390
2013	\$ 2,816,823	\$ 2,000	\$ 50,000				\$2,868,823	0.792	\$2,272,108
2014	\$ 5,633,646	\$ 2,000	\$ 50,000				\$5,685,646	0.747	\$4,247,178
2015		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.705	\$58,656
2016		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.665	\$55,328
2017		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.627	\$52,166
2018		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.592	\$49,254
2019		\$ 4,000	\$ 50,000	\$ 30,000	\$ 20,000		\$104,000	0.558	\$58,032
2020		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.527	\$43,846
2021		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.497	\$41,350
2022		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.469	\$39,021
2023		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.442	\$36,774
2024		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.417	\$34,694
2025		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.394	\$32,781
2026		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.371	\$30,867
2027		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.35	\$29,120
2028		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.331	\$27,539
2029		\$ 4,000	\$ 50,000	\$ 30,000	\$ 20,000		\$104,000	0.312	\$32,448
2030		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.294	\$24,461
2031		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.278	\$23,130
2032		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.262	\$21,798
2033		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.247	\$20,550
2034		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.233	\$19,386
2035		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.22	\$18,304
2036		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.207	\$17,222
2037		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.196	\$16,307
2038		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.185	\$15,392
2039		\$ 4,000	\$ 50,000	\$ 30,000	\$ 20,000		\$104,000	0.174	\$18,096
2040		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.164	\$13,645
2041		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.155	\$12,896
2042		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.146	\$12,147
2043		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.138	\$11,482
2044		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.13	\$10,816
2045		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.123	\$10,234
2046		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.116	\$9,651
2047		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.109	\$9,069
2048		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.103	\$8,570
2049		\$ 4,000	\$ 50,000	\$ 30,000	\$ 20,000		\$104,000	0.097	\$10,088

Tables 10 and 14 – Annual Cost of Flood Damage Reduction Project/Water Supply Project
(All costs should be in 2009 Dollars)

	Initial Costs	Operations and Maintenance Costs							
YEAR	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Total Project Budget (row (i), Total column)	Admin	Operation	Maintenance	Replacement	Other	Total Costs (a) + (b)+...(f)	Discount Factor	Discounted Costs (g) x (h)
2050		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.092	\$7,654
2051		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.087	\$7,238
2052		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.082	\$6,822
2053		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.077	\$6,406
2054		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.073	\$6,074
2055		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.069	\$5,741
2056		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.065	\$5,408
2057		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.061	\$5,075
2058		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.058	\$4,826
2059		\$ 4,000	\$ 50,000	\$ 30,000	\$ 20,000		\$104,000	0.054	\$5,616
2060		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.051	\$4,243
2061		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.048	\$3,994
2062		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.046	\$3,827
2063		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.043	\$3,578
2064		\$ 3,200	\$ 50,000	\$ 30,000			\$83,200	0.041	\$3,411
Project Life									
Total Present Value of Discounted Costs (Sum of Column (i))									\$8,402,992

Project Title: Copeland Creek Enhancement and Restoration Project: Detention and Recharge Basins -
Sonoma County Water Agency and Team Partners

From FRAM Model:

Table 12 – Present Value of Expected Annual Damage Benefits Project			
(a)	Expected Annual Damage Without Project		\$ 1,533,091
(b)	Expected Annual Damage With Project		\$ 665,338
(c)	Expected Annual Damage Benefit	(a) – (b)	\$ 867,753
(d)	Present Value Coefficient		15.76
(e)	Present Value of Future Benefits Transfer to column (e) Table 20: Proposal Project Costs and Benefits Summary.	(c) x (d)	\$ 13,675,787

Table 15 – Annual Water Supply Benefits									
(All costs should be in 2009 Dollars)									
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	j
	Type of Benefit	Mea-sure of Benefit (Units)	Without Project	With Project	Change Resulting from Project (e) – (d)	Unit \$ Value	Annual \$ Value (f) x (g)	Discount Factor	Discounted Benefits (h) x (i)
2009	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	1.000	\$45,000
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	1.000	\$5,625
2010	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.943	\$42,435
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.943	\$5,304
2011	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.89	\$40,050
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.89	\$5,006
2012	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.84	\$37,800
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.84	\$4,725
2013	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.792	\$35,640
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.792	\$4,455
2014	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.747	\$33,615
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.747	\$4,202
2015	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.705	\$31,725
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.705	\$3,966
2016	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.665	\$29,925
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.665	\$3,741
2017	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.627	\$28,215
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.627	\$3,527
2018	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.592	\$26,640
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.592	\$3,330
2019	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.558	\$25,110
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.558	\$3,139
2020	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.527	\$23,715

Table 15 – Annual Water Supply Benefits

(All costs should be in 2009 Dollars)

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	j
	Type of Benefit	Mea-sure of Benefit (Units)	Without Project	With Project	Change Resulting from Project (e) – (d)	Unit \$ Value	Annual \$ Value (f) x (g)	Discount Factor	Discounted Benefits (h) x (i)
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.527	\$2,964
2021	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.497	\$22,365
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.497	\$2,796
2022	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.469	\$21,105
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.469	\$2,638
2023	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.442	\$19,890
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.442	\$2,486
2024	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.417	\$18,765
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.417	\$2,346
2025	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.394	\$17,730
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.394	\$2,216
2026	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.371	\$16,695
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.371	\$2,087
2027	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.35	\$15,750
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.35	\$1,969
2028	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.331	\$14,895
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.331	\$1,862
2029	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.312	\$14,040
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.312	\$1,755
2030	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.294	\$13,230
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.294	\$1,654
2031	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.278	\$12,510
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.278	\$1,564

Table 15 – Annual Water Supply Benefits

(All costs should be in 2009 Dollars)

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	j
	Type of Benefit	Mea-sure of Benefit (Units)	Without Project	With Project	Change Resulting from Project (e) – (d)	Unit \$ Value	Annual \$ Value (f) x (g)	Discount Factor	Discounted Benefits (h) x (i)
2032	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.262	\$11,790
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.262	\$1,474
2033	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.247	\$11,115
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.247	\$1,389
2034	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.233	\$10,485
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.233	\$1,311
2035	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.22	\$9,900
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.22	\$1,238
2036	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.207	\$9,315
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.207	\$1,164
2037	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.196	\$8,820
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.196	\$1,103
2038	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.185	\$8,325
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.185	\$1,041
2039	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.174	\$7,830
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.174	\$979
2040	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.164	\$7,380
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.164	\$923
2041	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.155	\$6,975
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.155	\$872
2042	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.146	\$6,570
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.146	\$821
2043	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.138	\$6,210

Table 15 – Annual Water Supply Benefits

(All costs should be in 2009 Dollars)

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	j
	Type of Benefit	Mea-sure of Benefit (Units)	Without Project	With Project	Change Resulting from Project (e) – (d)	Unit \$ Value	Annual \$ Value (f) x (g)	Discount Factor	Discounted Benefits (h) x (i)
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.138	\$776
2044	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.13	\$5,850
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.13	\$731
2045	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.123	\$5,535
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.123	\$692
2046	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.116	\$5,220
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.116	\$653
2047	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.109	\$4,905
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.109	\$613
2048	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.103	\$4,635
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.103	\$579
2049	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.097	\$4,365
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.097	\$546
2050	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.092	\$4,140
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.092	\$518
2051	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.087	\$3,915
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.087	\$489
2052	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.082	\$3,690
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.082	\$461
2053	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.077	\$3,465
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.077	\$433
2054	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.073	\$3,285
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.073	\$411

Table 15 – Annual Water Supply Benefits									
(All costs should be in 2009 Dollars)									
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	j
	Type of Benefit	Mea-sure of Benefit (Units)	Without Project	With Project	Change Resulting from Project (e) – (d)	Unit \$ Value	Annual \$ Value (f) x (g)	Discount Factor	Discounted Benefits (h) x (i)
2055	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.069	\$3,105
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.069	\$388
2056	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.065	\$2,925
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.065	\$366
2057	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.061	\$2,745
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.061	\$343
2058	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.058	\$2,610
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.058	\$326
2059	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.054	\$2,430
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.054	\$304
2060	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.051	\$2,295
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.051	\$287
2061	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.048	\$2,160
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.048	\$270
2062	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.046	\$2,070
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.046	\$259
2063	Increased Water Supply/ Reliability	acre-feet	0		0	\$ 600	\$0	0.043	\$0
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.043	\$242
2064	Increased Water Supply/ Reliability	acre-feet	0	75	75	\$ 600	\$45,000	0.041	\$1,845
	Increased Instream Flows for Environmental Purposes	acre-feet	0	75	75	\$ 75	\$5,625	0.041	\$231
Project Life									
Total Present Value of Discounted Costs (Sum of Column (i))									\$858,336
Comment Box									

Avoided Project: Construction of conveyance capacity upgrades (e.g. culverts, storm drains, etc.) and future sediment removal and vegetation management

Table 16 – Annual Cost of Avoided Projects (All costs should be in 2009 Dollars)						
	Initial Costs	Operations and Maintenance Costs				
YEAR	(a)	(b)	(c)	(g)	(h)	(i)
	Avoided Capital Costs	Avoided Replacement Costs	Avoided O&M Costs	Total Costs (a) + (b)+...(f)	Discount Factor	Discounted Costs (g) x (h)
2009				\$0	1.000	\$0
2010				\$0	0.943	\$0
2011				\$0	0.89	\$0
2012	\$ 1,000,000		\$ 20,000	\$1,020,000	0.84	\$856,800
2013			\$ 20,000	\$20,000	0.792	\$15,840
2014			\$ 20,000	\$20,000	0.747	\$14,940
2015			\$ 20,000	\$20,000	0.705	\$14,100
2016			\$ 20,000	\$20,000	0.665	\$13,300
2017			\$ 20,000	\$20,000	0.627	\$12,540
2018			\$ 20,000	\$20,000	0.592	\$11,840
2019			\$ 20,000	\$20,000	0.558	\$11,160
2020			\$ 20,000	\$20,000	0.527	\$10,540
2021			\$ 20,000	\$20,000	0.497	\$9,940
2022			\$ 20,000	\$20,000	0.469	\$9,380
2023			\$ 20,000	\$20,000	0.442	\$8,840
2024			\$ 20,000	\$20,000	0.417	\$8,340
2025			\$ 20,000	\$20,000	0.394	\$7,880
2026			\$ 20,000	\$20,000	0.371	\$7,420
2027			\$ 20,000	\$20,000	0.35	\$7,000
2028			\$ 20,000	\$20,000	0.331	\$6,620
2029			\$ 20,000	\$20,000	0.312	\$6,240
2030			\$ 20,000	\$20,000	0.294	\$5,880
2031			\$ 20,000	\$20,000	0.278	\$5,560
2032			\$ 20,000	\$20,000	0.262	\$5,240
2033			\$ 20,000	\$20,000	0.247	\$4,940
2034			\$ 20,000	\$20,000	0.233	\$4,660
2035			\$ 20,000	\$20,000	0.22	\$4,400
2036			\$ 20,000	\$20,000	0.207	\$4,140
2037			\$ 20,000	\$20,000	0.196	\$3,920
2038			\$ 20,000	\$20,000	0.185	\$3,700
2039			\$ 20,000	\$20,000	0.174	\$3,480
2040			\$ 20,000	\$20,000	0.164	\$3,280
2041			\$ 20,000	\$20,000	0.155	\$3,100
2042			\$ 20,000	\$20,000	0.146	\$2,920
2043			\$ 20,000	\$20,000	0.138	\$2,760
2044			\$ 20,000	\$20,000	0.13	\$2,600
2045			\$ 20,000	\$20,000	0.123	\$2,460
2046			\$ 20,000	\$20,000	0.116	\$2,320
2047			\$ 20,000	\$20,000	0.109	\$2,180
2048			\$ 20,000	\$20,000	0.103	\$2,060
2049			\$ 20,000	\$20,000	0.097	\$1,940
2050			\$ 20,000	\$20,000	0.092	\$1,840
2051			\$ 20,000	\$20,000	0.087	\$1,740
2052			\$ 20,000	\$20,000	0.082	\$1,640

Table 16 – Annual Cost of Avoided Projects
(All costs should be in 2009 Dollars)

	Initial Costs	Operations and Maintenance Costs				
YEAR	(a)	(b)	(c)	(g)	(h)	(i)
	Avoided Capital Costs	Avoided Replacement Costs	Avoided O&M Costs	Total Costs (a) + (b)+...(f)	Discount Factor	Discounted Costs (g) x (h)
2053			\$ 20,000	\$20,000	0.077	\$1,540
2054			\$ 20,000	\$20,000	0.073	\$1,460
2055			\$ 20,000	\$20,000	0.069	\$1,380
2056			\$ 20,000	\$20,000	0.065	\$1,300
2057			\$ 20,000	\$20,000	0.061	\$1,220
2058			\$ 20,000	\$20,000	0.058	\$1,160
2059			\$ 20,000	\$20,000	0.054	\$1,080
2060			\$ 20,000	\$20,000	0.051	\$1,020
2061			\$ 20,000	\$20,000	0.048	\$960
2062			\$ 20,000	\$20,000	0.046	\$920
2063			\$ 20,000	\$20,000	0.043	\$860
2064			\$ 20,000	\$20,000	0.041	\$820
Project Life				\$0		\$0
Total Present Value of Discounted Costs (Sum of Column (i))						\$1,123,200
Comment Box						

Table 17 – Annual Other Water Supply Benefits

Reduced electricity costs associated with pumping not quantifiable at this time.

Project Title: Copeland Creek Enhancement and Restoration Project: Detention and Recharge Basins - Sonoma County Water Agency and Team Partners

Table 18 – Total Water Supply Benefits			
Total Discounted Water Supply Benefits (a)	Total Discounted Avoided Project Costs (b)	Other Discounted Water Supply Benefits (c)	Total Present Value of Discounted Benefits (d) (a) + (c) or (b) + (c)
\$ 858,336	\$ 1,123,200	\$ -	\$ 1,981,536

Table 19 – Water Quality and Other Expected Benefits									
(All costs should be in 2009 Dollars)									
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	j
	Type of Benefit	Mea-sure of Benefit (Units)	Without Project	With Project	Change Resulting from Project (e) – (d)	Unit \$ Value	Annual \$ Value (f) x (g)	Discount Factor	Discounted Benefits (h) x (i)
2009					0		\$0	1.000	\$0
					0		\$0	1.000	\$0
					0		\$0	1.000	\$0
					0		\$0	1.000	\$0
2010					0		\$0	0.943	\$0
					0		\$0	0.943	\$0
	Avoided costs associated with reduction in sediment	Unquantifiable			0		\$0		\$0
2011							\$0	0.89	\$0
	Passive use values associated with increased spawning habitat and increased salmon populations	Unquantifiable			0			0.89	
							\$0		\$0
2012					0		\$0	0.84	\$0
	Cultural value associated with increased spawning habitat and increased salmon populations	Unquantifiable							
	Potential increased quality of drinking water	Unquantifiable			0		\$0	0.84	\$0
2013					0		\$0	0.792	\$0
	Avoided cost of sediment deposition								
					0		\$0	0.792	\$0
2014					0		\$0	0.747	\$0
					0		\$0	0.747	\$0
2015					0		\$0	0.705	\$0
					0		\$0	0.705	\$0
2016					0		\$0	0.665	\$0
					0		\$0	0.665	\$0
2017					0		\$0	0.627	\$0
					0		\$0	0.627	\$0
2018					0		\$0	0.592	\$0
					0		\$0	0.592	\$0
2019					0		\$0	0.558	\$0
					0		\$0	0.558	\$0
2020					0		\$0	0.527	\$0
					0		\$0	0.527	\$0
2021					0		\$0	0.497	\$0
					0		\$0	0.497	\$0
2022					0		\$0	0.469	\$0
					0		\$0	0.469	\$0
2023					0		\$0	0.442	\$0
					0		\$0	0.442	\$0
2024					0		\$0	0.417	\$0
					0		\$0	0.417	\$0
2025					0		\$0	0.394	\$0
					0		\$0	0.394	\$0
2026					0		\$0	0.371	\$0
					0		\$0	0.371	\$0

Table 19 – Water Quality and Other Expected Benefits									
(All costs should be in 2009 Dollars)									
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	j
	Type of Benefit	Mea-sure of Benefit (Units)	Without Project	With Project	Change Resulting from Project (e) – (d)	Unit \$ Value	Annual \$ Value (f) x (g)	Discount Factor	Discounted Benefits (h) x (i)
2027					0		\$0	0.35	\$0
					0		\$0	0.35	\$0
2028					0		\$0	0.331	\$0
					0		\$0	0.331	\$0
2029					0		\$0	0.312	\$0
					0		\$0	0.312	\$0
2030					0		\$0	0.294	\$0
					0		\$0	0.294	\$0
2031					0		\$0	0.278	\$0
					0		\$0	0.278	\$0
2032					0		\$0	0.262	\$0
					0		\$0	0.262	\$0
2033					0		\$0	0.247	\$0
					0		\$0	0.247	\$0
2034					0		\$0	0.233	\$0
					0		\$0	0.233	\$0
2035					0		\$0	0.22	\$0
					0		\$0	0.22	\$0
2036					0		\$0	0.207	\$0
					0		\$0	0.207	\$0
2037					0		\$0	0.196	\$0
					0		\$0	0.196	\$0
2038					0		\$0	0.185	\$0
					0		\$0	0.185	\$0
2039					0		\$0	0.174	\$0
					0		\$0	0.174	\$0
2040					0		\$0	0.164	\$0
					0		\$0	0.164	\$0
2041					0		\$0	0.155	\$0
					0		\$0	0.155	\$0
2042					0		\$0	0.146	\$0
					0		\$0	0.146	\$0
2043					0		\$0	0.138	\$0
					0		\$0	0.138	\$0
2044					0		\$0	0.13	\$0
					0		\$0	0.13	\$0
2045					0		\$0	0.123	\$0
					0		\$0	0.123	\$0
2046					0		\$0	0.116	\$0
					0		\$0	0.116	\$0
2047					0		\$0	0.109	\$0
					0		\$0	0.109	\$0
2048					0		\$0	0.103	\$0
					0		\$0	0.103	\$0
2049					0		\$0	0.097	\$0
					0		\$0	0.097	\$0
2050					0		\$0	0.092	\$0
					0		\$0	0.092	\$0
2051					0		\$0	0.087	\$0
					0		\$0	0.087	\$0
2052					0		\$0	0.082	\$0
					0		\$0	0.082	\$0
2053					0		\$0	0.077	\$0

Table 19 – Water Quality and Other Expected Benefits									
(All costs should be in 2009 Dollars)									
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	j
	Type of Benefit	Mea-sure of Benefit (Units)	Without Project	With Project	Change Resulting from Project (e) – (d)	Unit \$ Value	Annual \$ Value (f) x (g)	Discount Factor	Discounted Benefits (h) x (i)
					0		\$0	0.077	\$0
2054					0		\$0	0.073	\$0
					0		\$0	0.073	\$0
2055					0		\$0	0.069	\$0
					0		\$0	0.069	\$0
2056					0		\$0	0.065	\$0
					0		\$0	0.065	\$0
2057					0		\$0	0.061	\$0
					0		\$0	0.061	\$0
2058					0		\$0	0.058	\$0
					0		\$0	0.058	\$0
2059					0		\$0	0.054	\$0
					0		\$0	0.054	\$0
2060					0		\$0	0.051	\$0
					0		\$0	0.051	\$0
2061					0		\$0	0.048	\$0
					0		\$0	0.048	\$0
2062					0		\$0	0.046	\$0
					0		\$0	0.046	\$0
2063					0		\$0	0.043	\$0
					0		\$0	0.043	\$0
2064					0		\$0	0.041	\$0
					0		\$0	0.041	\$0
Project Life									
Total Present Value of Discounted Costs (Sum of Column (i))									\$0
Comment Box									

Project Title: Copeland Creek Enhancement and Restoration Project: Detention and Recharge Basins - Sonoma County Water Agency and Team Partners

Table 20 – Proposal Project Costs and Benefits Summary for Proposition 1E

Project	Agency	Total Present Value Project Costs	Total Present Value Project Benefits				B/C Ratio
			Water Supply	Flood Damage Reduction	Other Water Quality Benefits	Total Benefits	
(a)	(b)	(c)	(d)	(e)	(f)	(g) [d+e+f]	(h) [g/c]
Copeland Creek Enhancement and Restoration Project: Detention and Recharge Basins	Sonoma County Water Agency and Team Partners	\$ 8,402,992	\$ 858,336	\$ 13,675,787	\$ 1,981,536	\$ 16,515,659	1.97